New Features in Version 3.1

This section describes the new features, enhancements and corrections that apply to the release of Version 3.1.5 of Natural for VSAM.

Natural for VSAM Version 3.1.5 is available under Natural Version 3.1.5 for Mainframes. The product/version dependencies are specified under Natural and Other Software AG Products and Operating/Teleprocessing Systems Required in the current Natural Release Notes for Mainframes.

Natural for VSAM supports the following new features and enhancements:

- **Coupling Facility Data Table (CFDT)**
  CFDTs have been implemented under OS/390 CICS.
- **Local Shared Resource (LSR)**
  LSR has been enhanced under OS/390 and VSE/ESA.
- **Enhanced Program Loader**
  The enhanced program loader of Natural now supports VSAM system files. For further information, see Natural Turbo Performance Plug-In in the section Natural Buffer Pool in the Natural Operations for Mainframes documentation.

  To support the program loader, the internal buffers SFT, FCT, FWA, UPD and VCA must be increased. This results in an increase of the VSIZE and an extended usage of the thread size, which may require adjustment of thread and roll file definitions.

- **Improved Performance**
  The performance of the Natural for VSAM nucleus has been improved considerably.
- **Key Length**
  The key length of the VSAM system files FNAT, FUSER and FDIC has changed to 87. To process existing VSAM system files of the old format and migrate them, the parameter SFILE=MIGRATE (see the section Parameters and Migration/Using Natural with VSAM System Files) and the module NVSFNATO (see also the section Using Natural with VSAM System Files) have been implemented.

- **Obsolete Parameters**
  The following assembling parameters for the I/O Module NVSMISC are obsolete in Natural for VSAM Version 3.1.5:
  - DFSMS=
  - OPSYS=
- **New Error Messages**
  New error messages are NAT3502, NAT3565, NAT3583, NAT3589 and NAT3598.
- **Special ZAPs**
  The following special-purpose ZAPs are delivered with Natural for VSAM Version 3.1.5 as replacements of special-purpose ZAPs for Natural for VSAM Version 2.4:
  - NV51001 replaces NV44001
  - NV51002 replaces NV44004